

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/13984A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C22B1/10

R. B15/00

B01J8/18

F27B15/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C22B B01J F27B C21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 578 798 A (LAPPLE WALTER C ET AL) 18 May 1971 (1971-05-18) column 1, line 65 - column 2, line 75; figures 1,3 column 4, line 26 - line 44	15, 16, 18
A	US 5 783 158 A (TACKE MICHAEL ET AL) 21 July 1998 (1998-07-21) column 3; claims 1-6; figure 1	1-24

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

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P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

25 May 2004

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03/06/2004

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Patent docu cited in search report		Publication date	Pat(mei	hily (s)	Publication date
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US 5783158	A	21-07-1998	DE	19609284 A1	11-09-1997
			AU	1511697 A	11-09-1997
			BR	9701233 A	10-11-1998
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			ZA	9701994 A	07-09-1998